sharedmock Documentation

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RelEng Team

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Contents:

A multiprocessing-friendly Python mock object

CHAPTER 1

Getting started

The `SharedMock` object has an interface similar to Python's own `unittest.mock.Mock`. The main difference is that the state of a `SharedMock` object is shared among subprocesses. This allows you to easily test interactions of subprocesses with your mock instance.

```
from sharedmock.mock import SharedMock

sharedmock = SharedMock()

subprocess = mp.Process(target=sharedmock,
                        args=('fancyArg',))
subprocess.start()
subprocess.join()
subprocess.terminate()

expected_calls = [call('fancyArg')]
sharedmock.assert_has_calls(expected_calls,
                            same_order=False)
```

If the `SharedMock` were to be replaced by a `unittest.mock.Mock` in the example above, the assertion would fail. The interaction with the `unittest.mock.Mock` object would not get propagated to your test code:

```
E               AssertionError: Calls not found.
E               Expected: [call('fancyArg')]
E               Actual: []
```

CHAPTER 2

Source

The entire source code is available on GitHub.

CHAPTER 3

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sharedmock.test.test_asserters module

sharedmock.test.test_mock module

Module contents

Submodules

sharedmock.asserters module

sharedmock.asserters.**assert_calls_equal**(*expected*, *actual*)
Check whether the given mock object (or mock method) calls are equal and return a nicely formatted message.

sharedmock.asserters.**assert_calls_equal_unsorted**(*expected*, *actual*)
Raises an AssertionError if the two iterables do not contain the same items.

The order of the items is ignored

sharedmock.asserters.**raise_calls_differ_error**(*expected*, *actual*)
Raise an AssertionError with pretty print format for the given expected and actual mock calls in order to ensure consistent print style for better readability.

sharedmock.mock module

Module contents

CHAPTER 4

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